

Filed: February 17, 2004

Docket No.: 120.020US2

Title: METHOD AND APPARATUS FOR CALIBRATING AND  
MEASURING ARTERIAL COMPLIANCE AND STROKE VOLUME

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**REMARKS**

New Claims 1-42 replace the claims of the parent application. The new claims added herewith are based on the claims and material in the parent application. No new matter is added.

**The changes to the specification are supported as follows:**

The specification paragraph on page 7 line 16 to 32 is changed to add a symbol ( $\rho$ ) for the density of blood as supported on page 11 lines 13-18, which show that there are three factors that are multiplied together,  $g$ ,  $h$ , and the density of blood.

The specification paragraph on page 11 line 2 to 22 is changed to add a symbol ( $\rho$ ) for the density of blood as supported on page 11 lines 13-18, which show that there are three factors that are multiplied together,  $g$ ,  $h$ , and the density of blood.

The specification paragraph starting on page 13 line 11 is changed to add a small space between  $r$  and  $t$  in the equation to avoid confusion with  $\pi$  ( $\pi$ ).

The specification paragraph starting on page 15 line 1 is changed to reference patent '313 as supported on page 1 line 16. (No reference is made for a patent ending in '133).

The specification paragraph starting on page 21 line 11 is changed to add an "approximated" symbol ( $\approx$ ) to Equation (15) as supported later in that paragraph: "Here the *integral is approximated* with a simple sum, but any appropriate numerical integration could be used to obtain higher precision (e.g. a high-order Newton-Cotes)." (*Emphasis added.*)

The specification paragraph on page 25 line 6 to 19 is changed to add a symbol ( $\rho$ ) for the density of blood as supported on page 11 lines 13-18, which show that there are three factors that are multiplied together,  $g$ ,  $h$ , and the density of blood.

The specification paragraph on page 27 line 5 to 16 is changed to add a symbol ( $\rho$ ) for the density of blood as supported on page 11 lines 13-18, which show that there are three factors that are multiplied together,  $g$ ,  $h$ , and the density of blood.

Rapid consideration of the claims is respectfully requested.

**PRELIMINARY AMENDMENT**

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Conclusion

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney ((952) 278-3501) to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 502931.

Respectfully submitted,

CHRISTOPHER W. BRATTELI

By his Representatives,

LEMAIRE PATENT LAW FIRM PLLC  
PO BOX 11358  
ST PAUL, MN 55111  
(952) 278-3501

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Date 17 February 2004 By Charles A. Lemaire  
Charles A. Lemaire  
Reg. No. 36,198

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This paper or fee is being deposited on the date indicated above with the United States Postal Service pursuant to 37 CFR 1.10, and is addressed to The Commissioner for Patents, Mail Stop Patent Application, P.O. Box 1450, Alexandria, VA 22313-1450.

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